(No Model.)

T. H. SMITH.

BAG HOLDER.

No. 347,393. Patented Aug. 17, 1886.

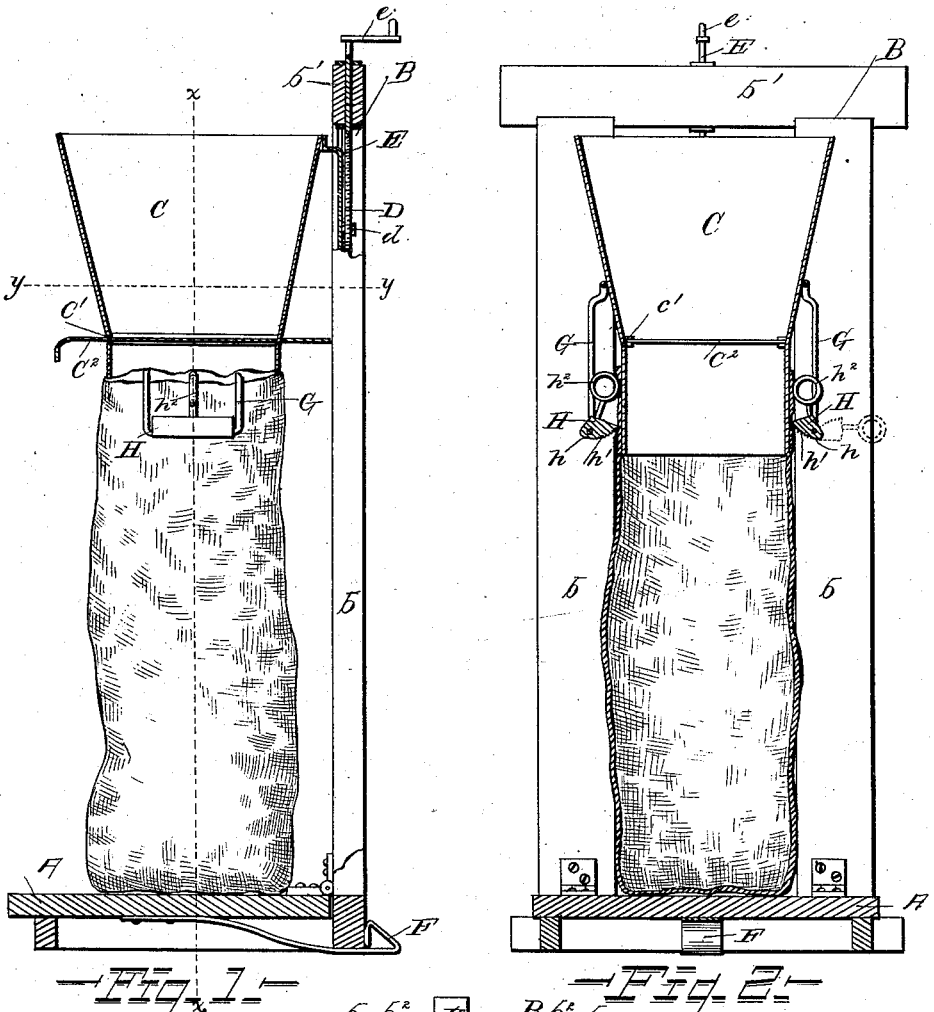

Fig. 1.

Fig. 2.

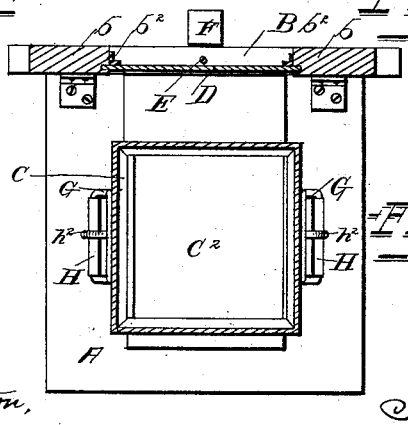

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS H. SMITH, OF ROME CITY, INDIANA.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 347,393, dated August 17, 1886.

Application filed March 18, 1886. Serial No. 195,718. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. SMITH, a citizen of the United States, residing at Rome City, in the county of Noble and State of Indiana, have invented a new and useful Improvement in Bag-Holders, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in bag-holders; and it consists in the peculiar construction and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a side elevation, partly in section, of a bag-holder embodying my improvements. Fig. 2 is a vertical section of the same, taken on the line *x x* of Fig. 1. Fig. 3 is a horizontal section of the same, taken on the line *y y* of Fig. 1.

A represents a base or platform, to one end of which is hinged the lower end of a vertical frame, B. The said frame comprises the vertical standards *b* and the transverse beam *b'*, which is secured on the upper ends of the standards. In the opposing sides of the vertical standards are grooves b^2.

C represents a hopper, which is secured to a back board, D, the opposite edges of which fit in the grooves in the vertical standards, so that the hopper may be raised or lowered in the said grooves. From the rear side of the back board, D, projects a stud, *d*, which is provided with a vertical interiorly-threaded opening, through which passes an elevating-screw, E, which is swiveled in the cross-bar *b'* of the standard B, and is provided at its upper end with a crank-handle, *e*. By turning the said crank-handle the hopper may be raised or lowered, as will be very readily understood, thus enabling the hopper to be moved vertically to accommodate it to sacks of various lengths. The lower portion of the hopper is provided with a depending rectangular mouth, C', and the said hopper is also provided with a horizontal cut-off slide, C^2, which forms the bottom of the hopper, and by means of which the quantity of seeds or grain fed through the hopper into the sack may be regulated at will.

F represents a spring-catch, which is secured to the under side of the base or platform and engages with the hinged vertical standard, so as to secure the latter in a vertical position or enable it to be released, whereby the base or platform may be folded against the standard, and thus economize space, when the device is not desired for immediate use or when packed for transportation.

G represents vertical depending spring arms or frames, which are secured on opposite sides of the hopper near the lower end thereof, the said arms extending downwardly nearly to the lower end of the mouth of the hopper. In between the lower ends of these arms are pivoted or hinged keepers H, the engaging sides of which are beveled, as shown at *h*, and provided with longitudinal corrugations *h'*. The said keepers are also provided with lever-arms h^2, by means of which the keepers may be turned so as to either engage or disengage the sack. When the keepers are turned to engage the sack, the upper ends of the said arms bear against the sides of the mouth of the hopper, and thereby support the keepers in place.

The operation of my invention is as follows: The sack or bag to be filled is placed on the base or platform, and the mouth of the sack is stretched over the mouth of the hopper, and is secured thereto by turning the keepers H inwardly, to cause their corrugated sides to press against the fabric of which the sack or bag is composed, and compress it tightly against the outer sides of the mouth of the hopper, thereby securing the bag or sack firmly thereto. The hopper is then raised or lowered by turning the elevating-screw, so as to adjust the hopper to the length of the sack, and the material to be poured into the sack is emptied into the hopper. The slide C^2 is then drawn out sufficiently to cause the material to be fed from the hopper into the sack, as will be very readily understood.

I have hereinbefore shown and described only one hopper attached to the vertically-adjustable back board, D; but it will be readily understood that I may attach two hoppers thereto—one on each side of the said board—and extend the base or platform on both sides of the standards, and thereby double the capacity of the machine by adapting it to fill two sacks at the same time.

Having thus described my invention, I claim—

1. The combination, in a bag-holder, of the hopper, the pivoted keepers on opposite sides of the mouth thereof, having the corrugations h', and the spring-arms for pressing the said keepers against the sides of the mouth of the hopper, for the purpose set forth, substantially as described.

2. The combination, in a bag-holder, of the hopper having the spring-arms on opposite sides of its mouth, and the keepers hinged or pivoted to the free ends of the said spring-arms, the said keepers having the corrugations h' and the projecting lever-arms h^2, for the purpose set forth, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS H. SMITH.

Witnesses:

ANDREW R. WYATT,

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